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PATENT
Attorney Docket No.: 17682A-003650US

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By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re continuation application of US
10/160,977 to:

Robert O. Dempcy *et al.*

Application No.: Not yet assigned

Filed: Herewith

For: MODIFIED
OLIGONUCLEOTIDES FOR
MISMATCH DISCRIMINATION

Examiner: Kenneth R. Horlick (parent)

Art Unit: 1637 (parent)

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 10/032,307, filed 12/21/01 (Attorney Docket No. 17682A-003630US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

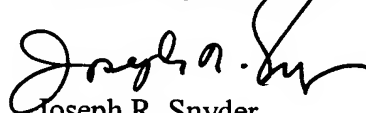
Application No.:
Page 2

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Joseph R. Snyder
Reg. No. 39,381

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 5

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Dempcy, Robert O., et. al.
Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	6,127,121		10/3/00	Meyer, Jr., et al.	
	2	5,177,196		1/5/93	Meyer, Jr., et al.	
	3	5,512,667		4/30/96	Reed, et al.	
	4	09/457,616		12/08/99		
	5	5,419,966		5/30/95	Reed, et al.	
	6	5,801,155		9/1/98	Kutyavin et al.	
	7	5,696,251		12/9/97	Arnold, Jr., et al.	
	8	5,585,481		12/17/96	Arnold, Jr., et al.	
	9	5,942,610		8/24/99	Nelson, et al.	
	10	5,736,626		4/7/98	Mullah, et al.	
	11	3,996,345		12/7/76	Ullman, et al.	
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	13	5,645,985		7/8/97	Froehler, et al.	
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	15	5,492,806		2/20/96	Dmanac, et al.	
	16	5,525,464		6/11/96	Dmanac, et al.	
	17	5,556,749		9/17/96	Mitsuhashi, et al.	
	18	5,824,796		10/20/98	Petrie, et al.	
	19	5,210,015		5/11/93	Gelfand, et al.	
	20	5,449,767		9/12/95	Ward, et al.	
	21	6,312,894		11/6/01	Hedgpeth, et al.	
	22	4,358,535		11/9/82	Falkow et al.	
	23	4,868,105		9/19/89	Urdea et al.	
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	26	4,683,195		7/28/87	Mullis, et al.	
	27	4,800,159		1/24/89	Mullis et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Filing Date	
				First Named Inventor	
				Art Unit	
				Examiner Name	
(use as many sheets as necessary)				Dempcy, Robert O., et. al.	
Sheet	2	of	5	Attorney Docket Number	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ <small>Kind Code⁵ (if known)</small>				
	28	WO	96/32496				<input type="checkbox"/>
	29	WO	92/10588				<input type="checkbox"/>
	30	WO	96/17957				<input type="checkbox"/>
	31	WO	99/37085				<input type="checkbox"/>

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	32	Chen et al. <i>Nucleic Acids Res.</i> 23:2661-2668 (1995)		
	33	Singh et al., <i>Chem. Comm.</i> , 455-456 (1998)		
	34	Wengel J., <i>Acc. Chem Res.</i> , 32:301-310 (1998)		
	35	Palissa et al., <i>Z. Chem.</i> , 27:216 (1987)		
	36	Nielsen et al. <i>Science</i> 254: 1497-1500 (1991)		
	37	Uhlmann et al. <i>Angew. Chem. Ing. Ed.</i> 37:2796-2823 (1998)		
	38	Wemmer, D.E. et al., <i>Current Opinion in Structural Biology</i> , 7:355-361 (1997)		
	39	Walker, W.L. et al., <i>Biopolymers</i> , 44:323-334 (1997)		
	40	Zimmer, C et al., <i>U. Prog. Biophys. Molec. Bio.</i> 47:31-112 (1986)		

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Sheet 3 of 5

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Application Number	
Filing Date	
First Named Inventor	Dempsy, Robert O., et. al.
Art Unit	
Examiner Name	
Attorney Docket Number	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	41	Reddy, et al., Pharmacol. Therap., 84:1-111 (1999)	
	42	Talon, T.A. et al., Science 289:1757-1760 (2000)	
	43	Balow et al., Nuc. Acid Res., 26:3350-3357 (1998)	
	44	Seela et al., J. Chem. Soc. Perkin Trans., I:479-488 (1999)	
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	46	Vincent et al. J. Org. Chem., 64:991-997 (1999)	
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	48	Scheit, Nucleotide Analogs, John Wiley, New York (1980)	
	49	Uhlman et al., Chemical Reviews, 90:543-584 (1990)	
	50	Seela et al., Nucl. Acids Res., 28:3224-3232 (2000)	
	51	Bolli et al., Nucl. Acids Res., 24:4660-4667 (1996)	
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	53	Santalucia et al., Biochem, 36:10581-10595 (1997)	
	54	Schutz et al., Biotechniques, 27:1218-22 (1999)	

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Sheet 4 of 5

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Application Number	
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First Named Inventor	Dempcy, Robert O., et. al.
Art Unit	
Examiner Name	
Attorney Docket Number	

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	55	Owczarzy et al. <i>Biopolymers</i> , 44:217-239 (1997)	
	56	Geisen et al. <i>Nucl. Acids Res.</i> , 26:5004-5006 (1998)	
	57	Blake et al., <i>Bioinformatics</i> , 15:370-5 (1999)	
	58	Van Ness et al., <i>Nucleic Acids Res.</i> , 19:5143-5151 (1991)	
	59	J. Chromatogr., B. <i>Biomed. Sci. Appl.</i> 739:139-150 (2000)	
	60	Draper et al., <i>Biochemistry</i> 19:1774-1791 (1980)	
	61	Pastinen T. et al., <i>Genome Res.</i> , 10:1031-42 (2000)	
	62	Lyamichev et al., <i>Nature Biotechnol.</i> , 17:292-296 (1999)	
	63	Mueller et al., <i>Histochem, Cell Biol.</i> , 108:431-437 (1997)	
	64	Capaldi et al., <i>Nuc. Acids Res.</i> , 28:E21 (2000)	
	65	Eisen, et al., <i>Methods in Enzymology</i> , 303:179-205 (1999)	
	66	Hacia et al., <i>J. Mol. Genet.</i> , 36:730-736 (1999)	
	67	Smith et al., <i>Int. J. Oncol.</i> , 17:841-850 (2000)	
	68	Zhang et al., <i>Nat. Biotechnol.</i> , 18:862-867 (2000)	

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	69	Flanagan et al., <i>Nat. Biotechnol.</i> , 14:1139-1145	
	70	Livak et al., <i>PCT Meth. App.</i> 4:357-362 (1995)	
	71	Heid et al., <i>Genome Res.</i> 6:986-994 (1996)	
	72	Taylor et al., <i>Tetrahedron</i> , 48(37):8089-8100 (1992)	
	73	Lohkov, S.G., <i>FEBS Letters</i> 420:134-138 (1997)	
	74	Hall et al., <i>PNAS</i> 97:8272-77 (2000)	

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